

WILKES, ARTIS, HEDRICK & LANE

CABLE ADDRESS: WILAN
FAX: 202-457-7814

CHARTERED
ATTORNEYS AT LAW
SUITE 1100
1666 K STREET, N. W.

ANNAPOLIS, MARYLAND
BETHESDA, MARYLAND
FAIRFAX, VIRGINIA
GREENBELT, MARYLAND
WALDORF, MARYLAND

ROBERT M. GURSS
202-457-7329

WASHINGTON, D. C. 20006-2897
(202) 457-7800

January 19, 1999

BY HAND

Magalie Roman Salas, Esq.
Secretary
Federal Communications Commission
1919 M Street, NW, Room 222
Washington, DC 20554

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JAN 19 1999

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

RE: WT Docket 96-86

Dear Ms. Salas:

This is inform the Commission that Craig Jorgensen, Project Manager for Project 25, Jack Keating, President of the Association of Public-Safety Communications Officials-International, Inc. ("APCO"), and the undersigned made three presentations on January 14 and 15 at the Commission to discuss the Project 25 digital public safety radio equipment standard, using the enclosed slide presentation. We also discussed APCO's pending Petition for Reconsideration (filed December 2, 1998) in the above-referenced proceeding. On January 14, we made a presentation to the following group of Commission staff:

Ari Fitzgerald	Office of the Chairman
Dan Conners	Office of Commissioner Ness
Karen Gulick	Office of Commissioner Tristani
Peter Tenhula	Office of Commissioner Powell

Also present at that meeting were D'Wana Terry, Robert Califf, Herb Zeiler, and John Clark of the Wireless Telecommunications Bureau. On January 15, the presentation was made to Gerald Vaughn, Acting Chief of the Wireless Telecommunications Bureau, at which time Ms. Terry, Mr. Zeiler, Mr. Clark, Kathryn Hosford, and John Borkowski of the Bureau were also present. Also on January 15, Mr. Jorgensen and Mr. Keating made the same presentation to Charles Iseman, Robert Bromery, and James Burtle of the Office of Engineering and Technology.

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List ABCDE


WILKES, ARTIS, HEDRICK & LANE
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Please contact the undersigned should you have any questions.

Respectfully submitted,

WILKES, ARTIS, HEDRICK & LANE,
Chartered

By:



Robert M. Gurss

Counsel for APCO

cc without attachments:

Ari Fitzgerald
Karen Gulick
Peter Tenhula
Dan Conners
D'Wana Terry
Herb Zeiler
John Clark
Robert Califf
John Borkowski
Kathryn Hosford
Gerald Vaughn
Robert Bromery
James Burtle
Charles Iseman
Craig Jorgensen
Jack Keating



APCO Project 25/34 Standards Series

Federal Communications
Commission

Washington, DC

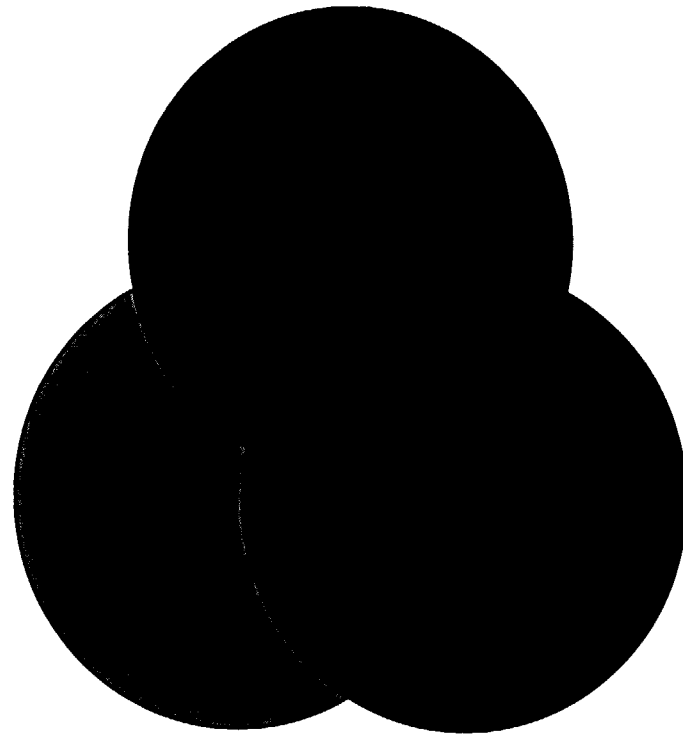
January 14 & 15, 1999

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OFFICE OF THE SECRETARY

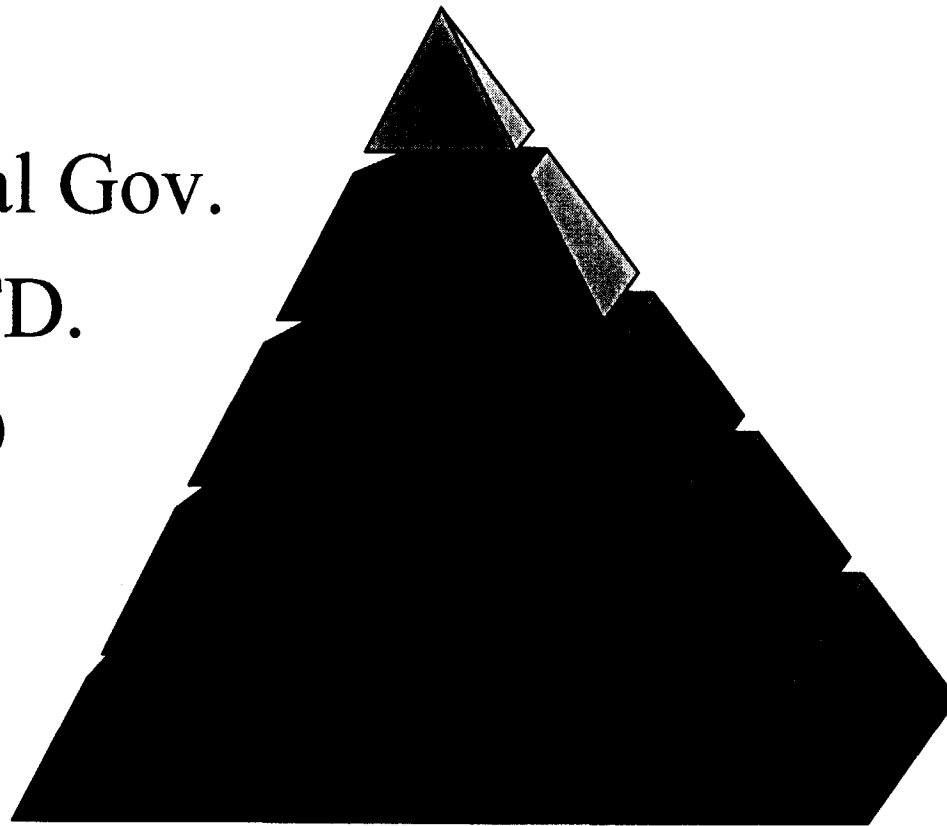
Changing Environment in the Creation of Technology Standards



Encouraging the Convergence of Global
Standards

The Foundation is Creating a Working Relationship

- TIA
- Federal Gov.
- NASTD.
- APCO
- Users
-



Creating Standard Broad-based Support

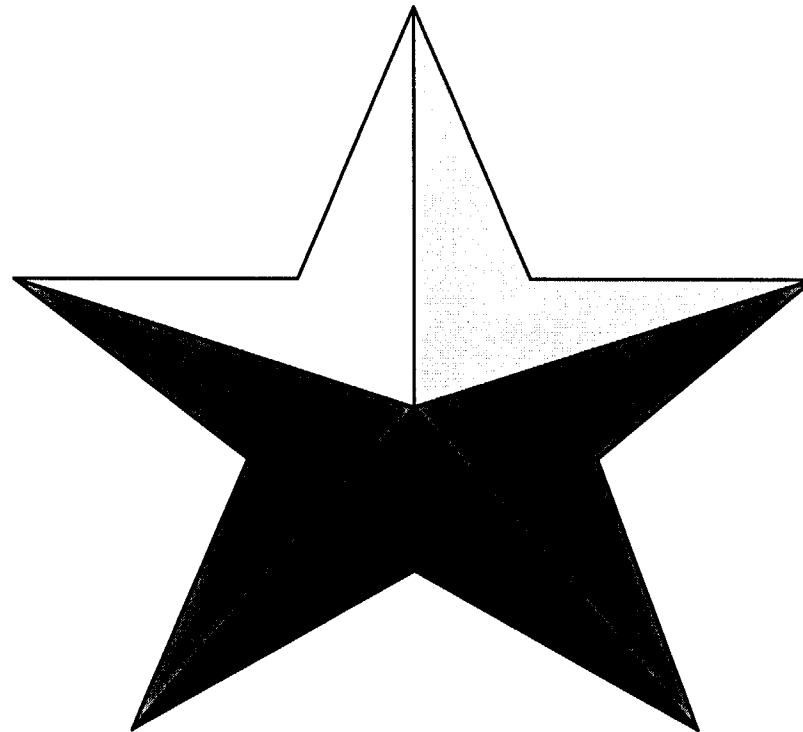
National Institute of Justice (NIJ)

County Agencies

City Agencies

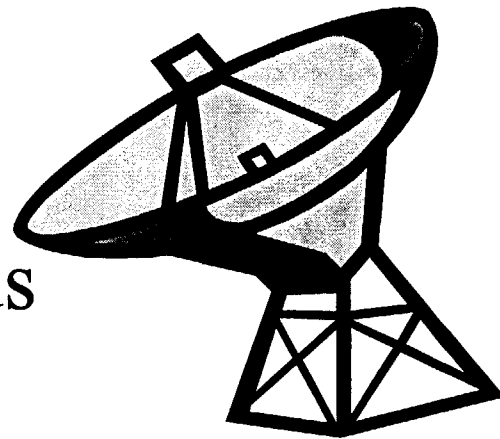
State Agencies

FLEWUG



P25 Users Desired Specific Technology Attributes

- Create a Graceful Migration Path from Analog to Digital
- Improve Spectral Efficiency
- Ensure Technology Could Meet Users' Current and Future Needs
- Scalable from Small to Very Large Systems
- Fit Majority of Users' Needs
- User-friendly
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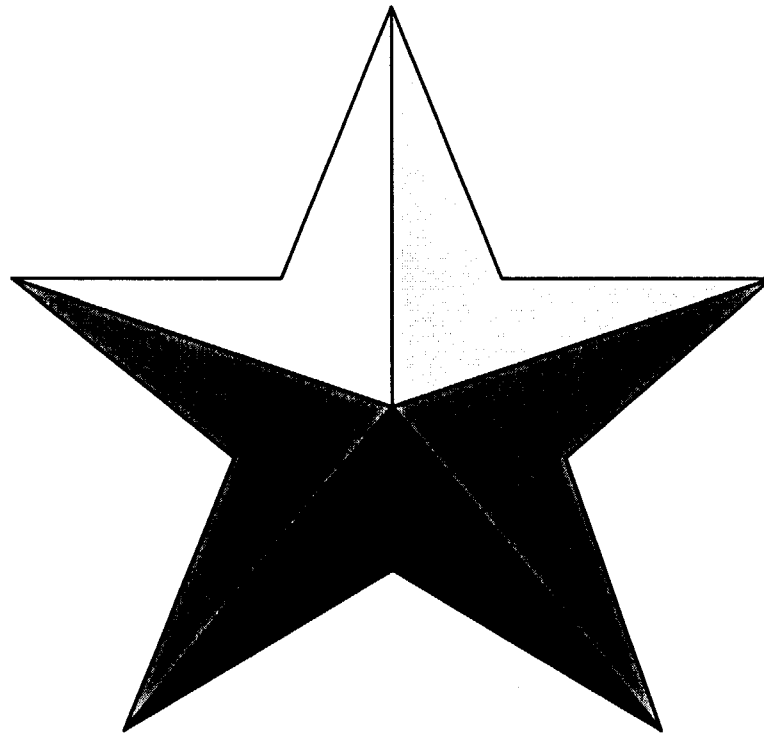


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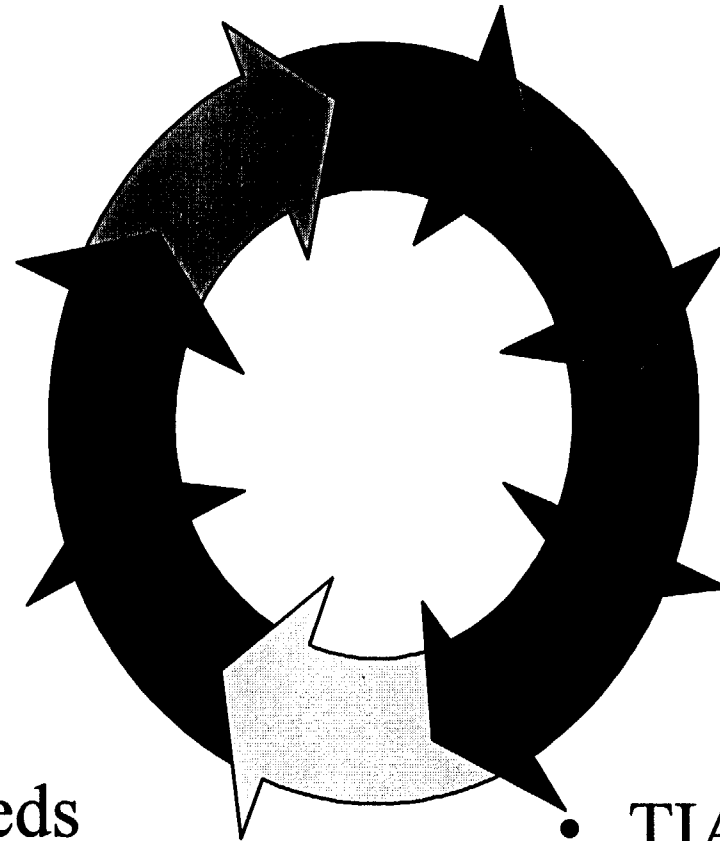
Leveraging Expertise



Public Safety
Users

Manufacturers
TIA Members

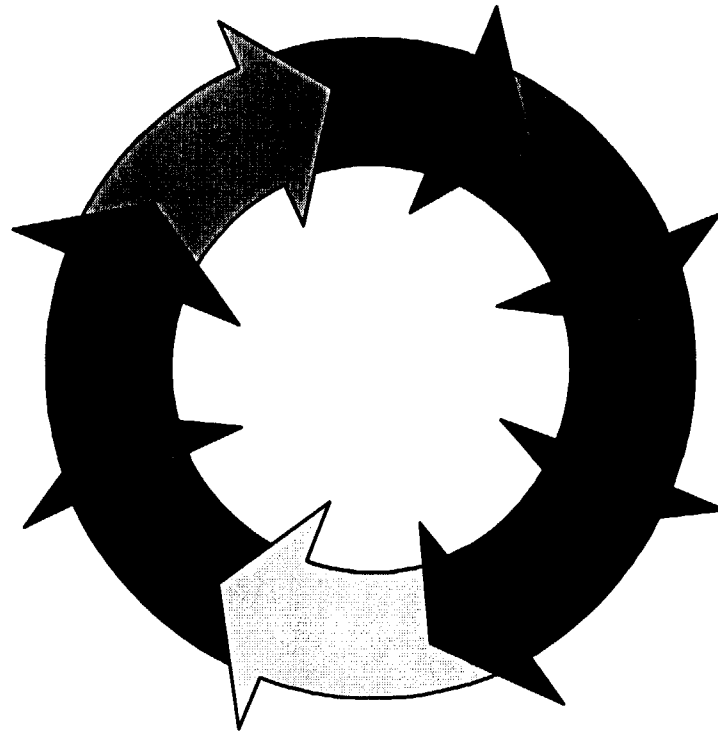
Balanced Partnership



- User Define Needs

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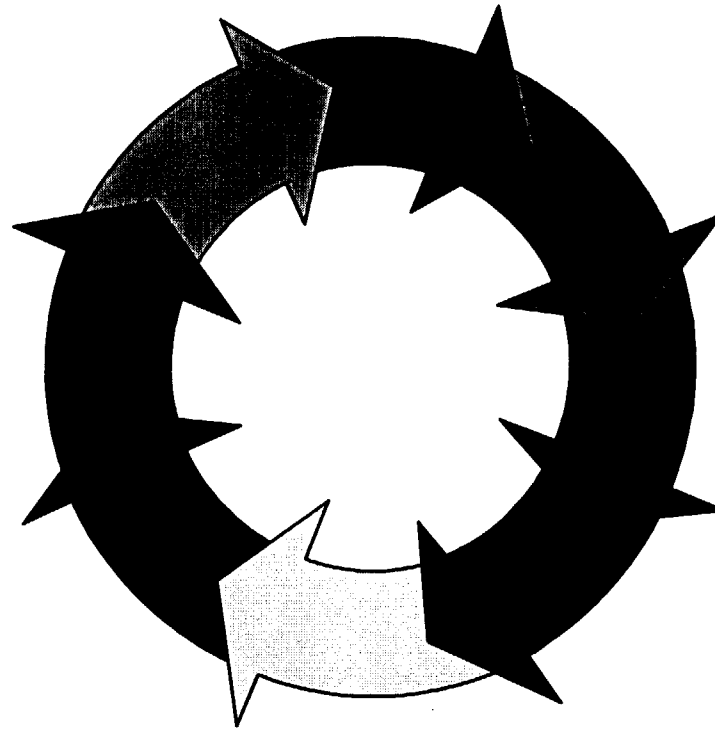
Maximizing Experiences and Background



The Steering
Committee Represents
the Interested Users

TIA Represents the
Active Equipment
Manufacturers

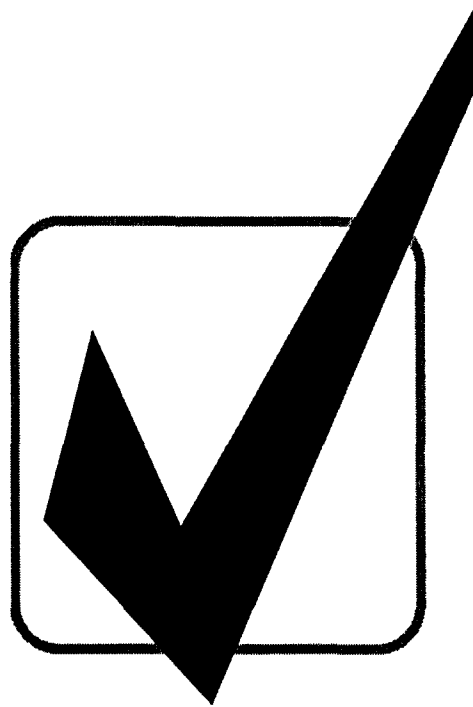
Open Participation in the Creation of User Needs



- Anyone Can Participate & Vote in P25 User Needs Sub-Committee
- Active Participant Can Vote In TIA's APCO Project 25 Interface Committee APIC

Standards Approval

Only the Project
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Vote to Approve
TIA Standards as
P25 Standards



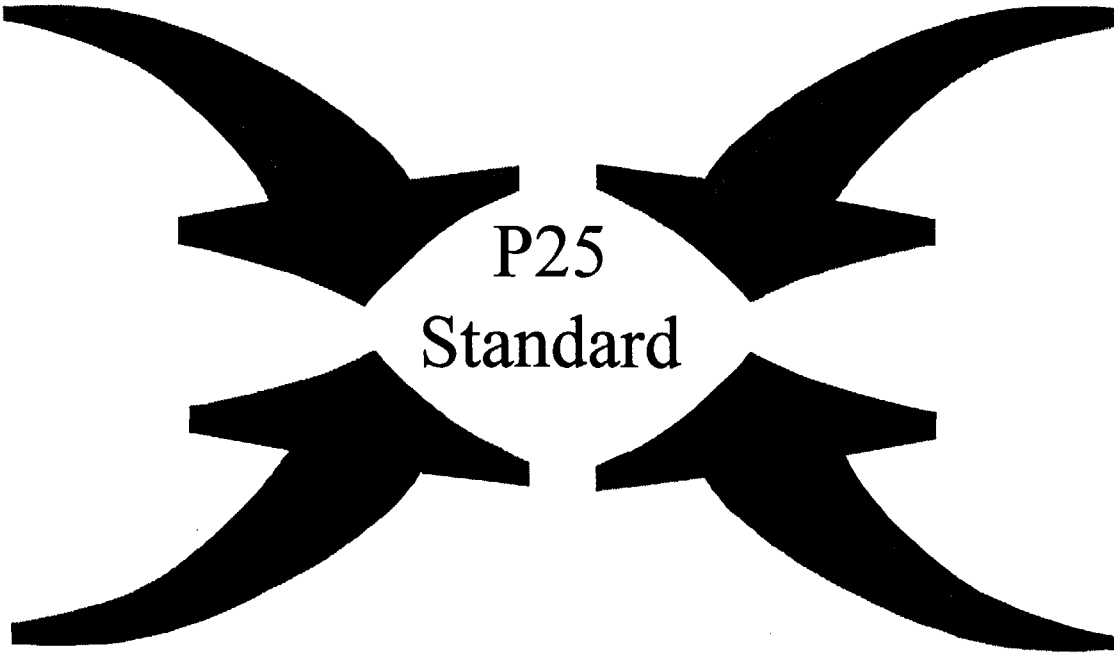
**Only Active & Paid
TIA Members Can
Vote to Approve a TIA
Standards or Technical
System Bulletin**

Evolution of a Project 25 VoCoder and CAI Standards

Users

APIC

P25
Standard



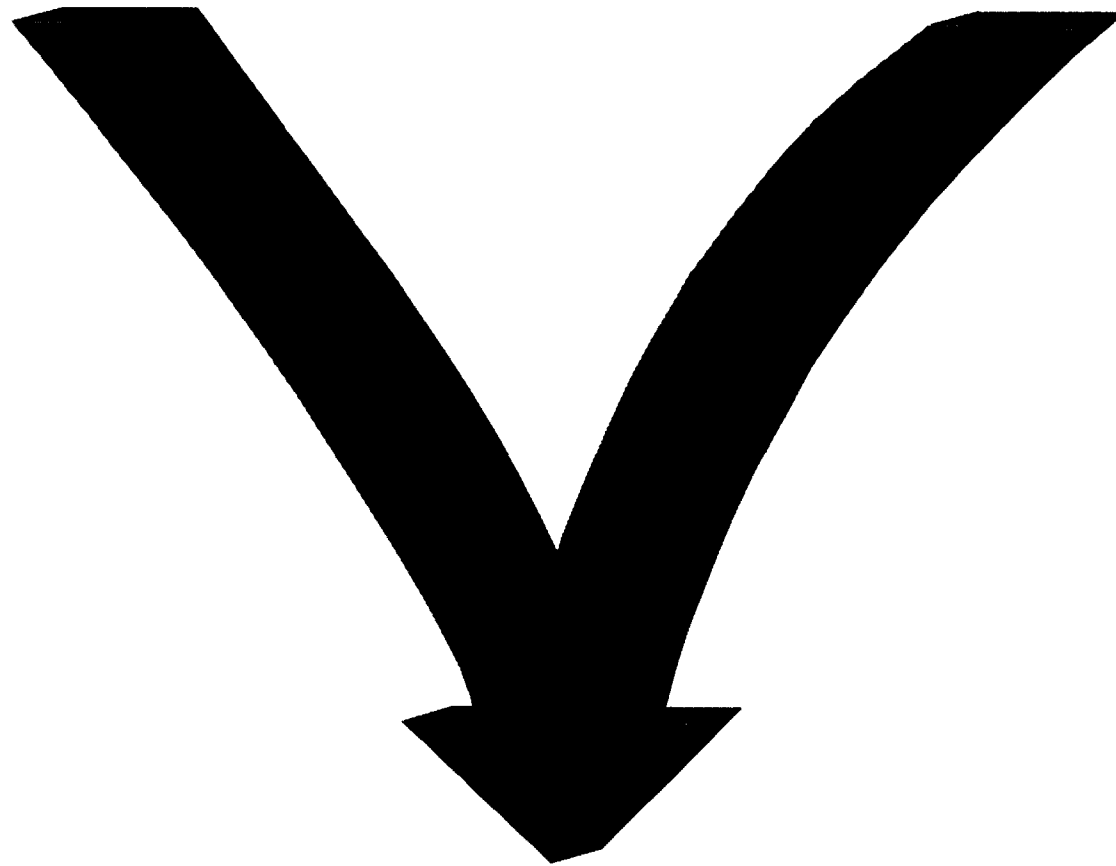
Steering Committee

TIA Standards

Evolution of an ANSI Standard

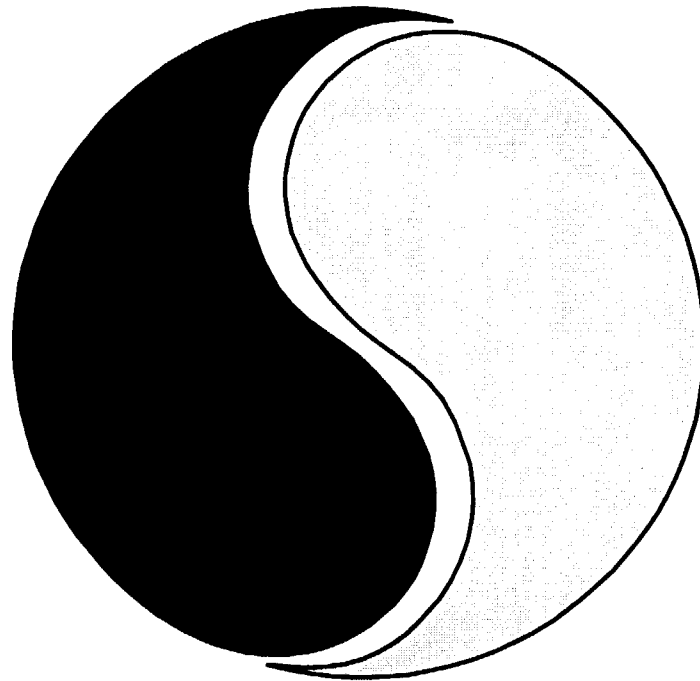
Interested Public

TIA Members



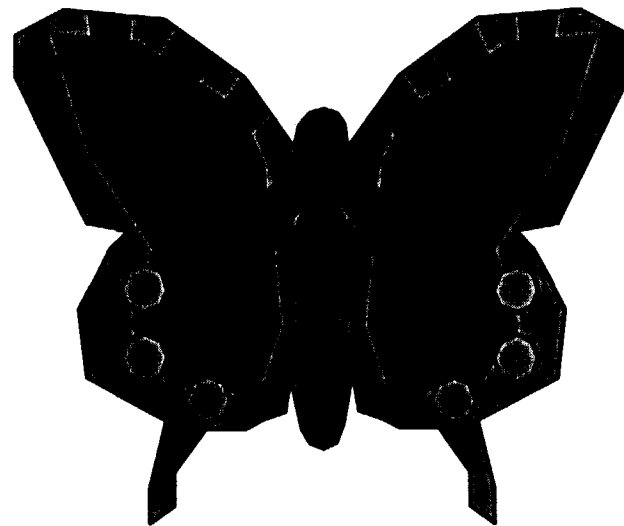
EIA/TIA ANSI Standards

Phase I - The Graceful Migration



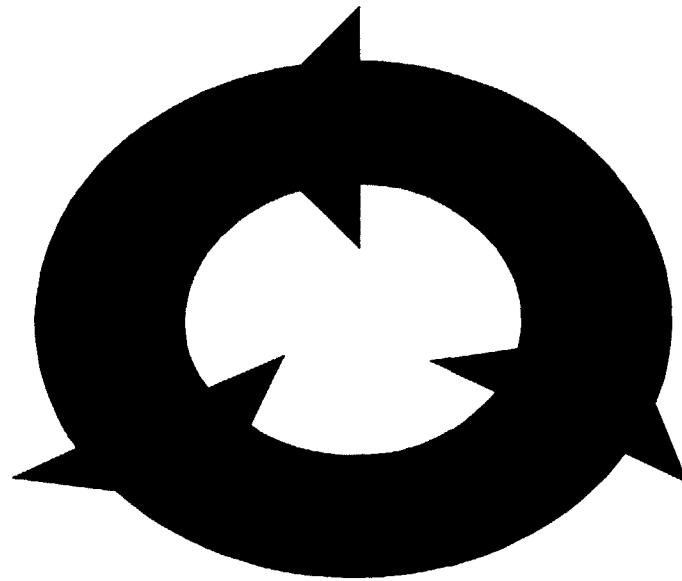
- Provide Migration Path that Ensures Public Safety can Implement a New System without having to leave a Significant Stranded Investment

The Foundation To a Graceful Migration Path - The Common Air Interface (CAI)



- The Common Air Interface (CAI) Simple,
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THE COMMON AIR INTERFACE - THE CORE STANDARD

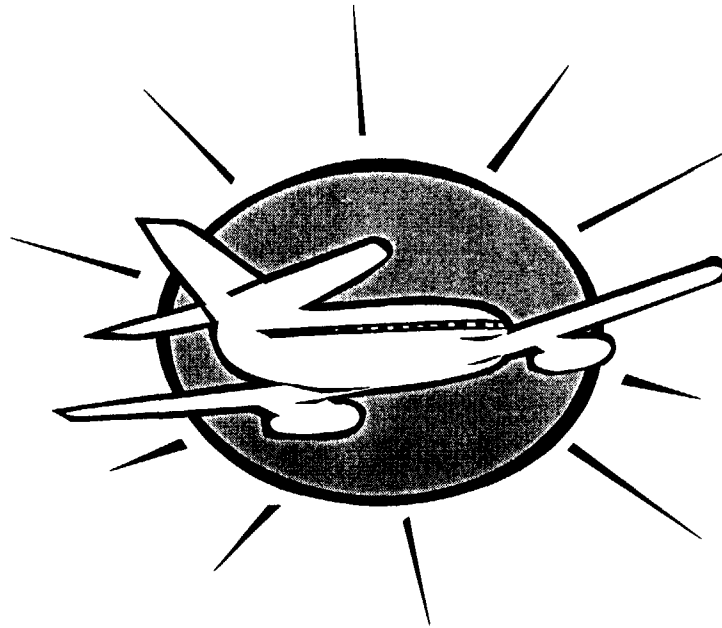


CAI PROVIDES FOR A COMMON RF COMMUNICATIONS LINK

A PARTIAL LIST OF PROJECT 25 VENDORS PHASE I

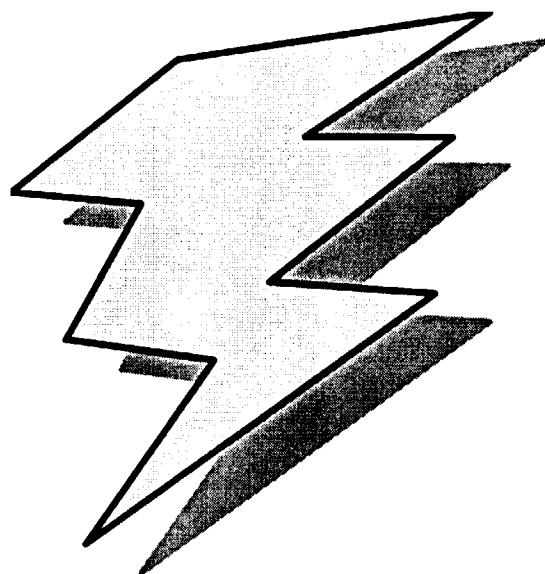
- ADI
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- RELM
- TRANSCRIPT

Approved CAI Creates The Migration Path From The Past To The Future



Analog - 12.5 kHz Digital - 6.25 kHz Digital

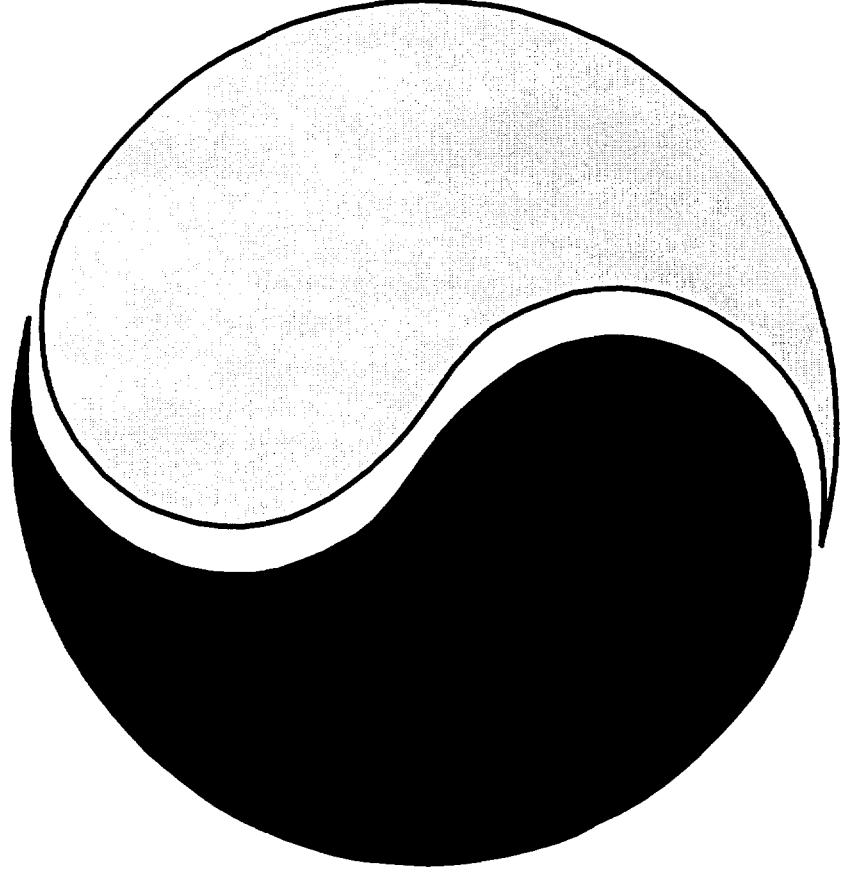
The CAI Leverages Technology



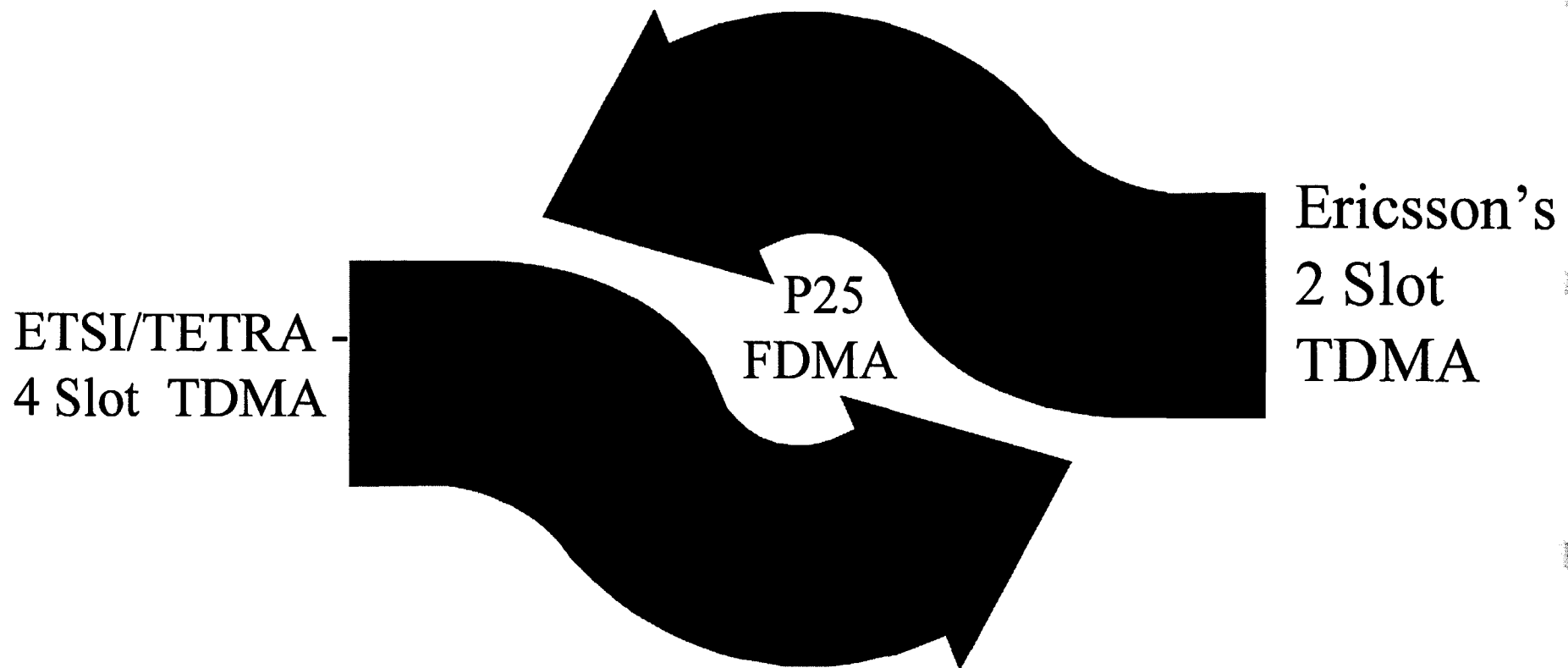
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Project 25 - Phase II

The Continuing Evolution



Creating Multiple Standards with Interoperability



Phase II Progress - FDMA

- FDMA 6.25 Project 25 Common Air Interface (CAI) with FCC-compliant 9.6 data rate will be sent to TIA ballot in the first quarter of 1999
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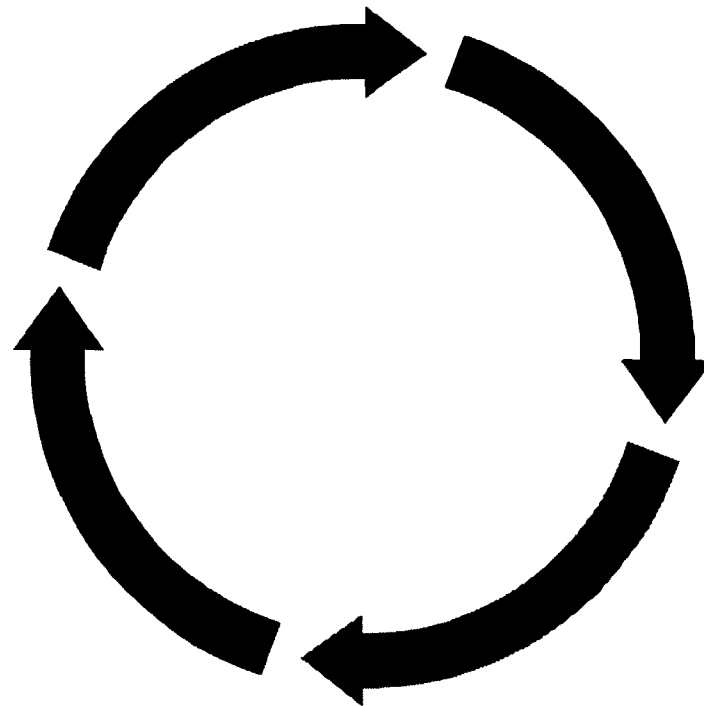
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Dynamics of Worldwide Standards



- Telecommunications Standards Cannot Survive in Isolation of Each Other

ETSI/TETRA/Project 25 Cooperation Formalized



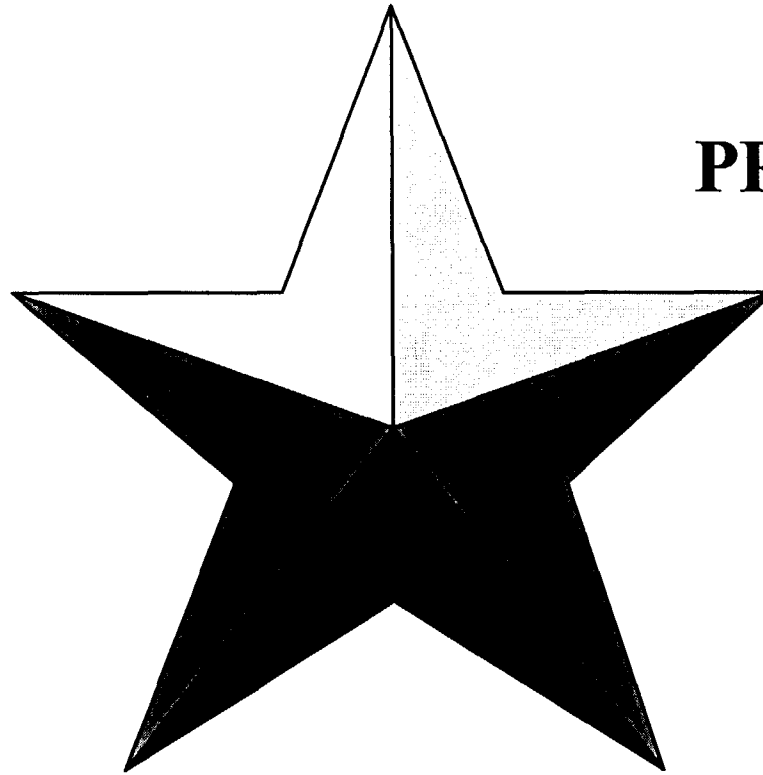
ETSI/TETRA/Project 25 Cooperation
Agreement Fully Executed, Fall of 1998

CONTINUING PARTNERSHIPS

Public Safety Users

ETSI / DAWS

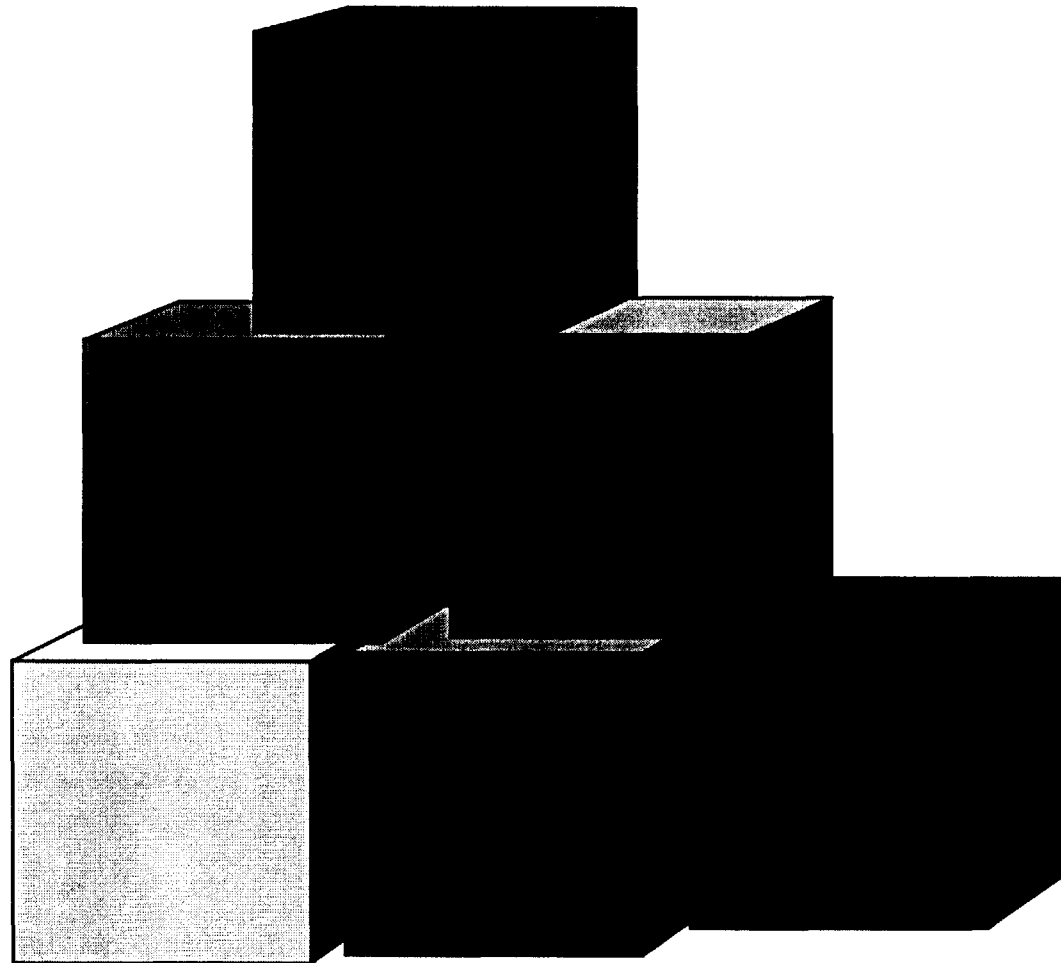
PROJECT 25/34



TIA Members

World Marketplace

Future Opportunities



To Build on Established Foundation of
Cooperation Between ETSI & Project 25

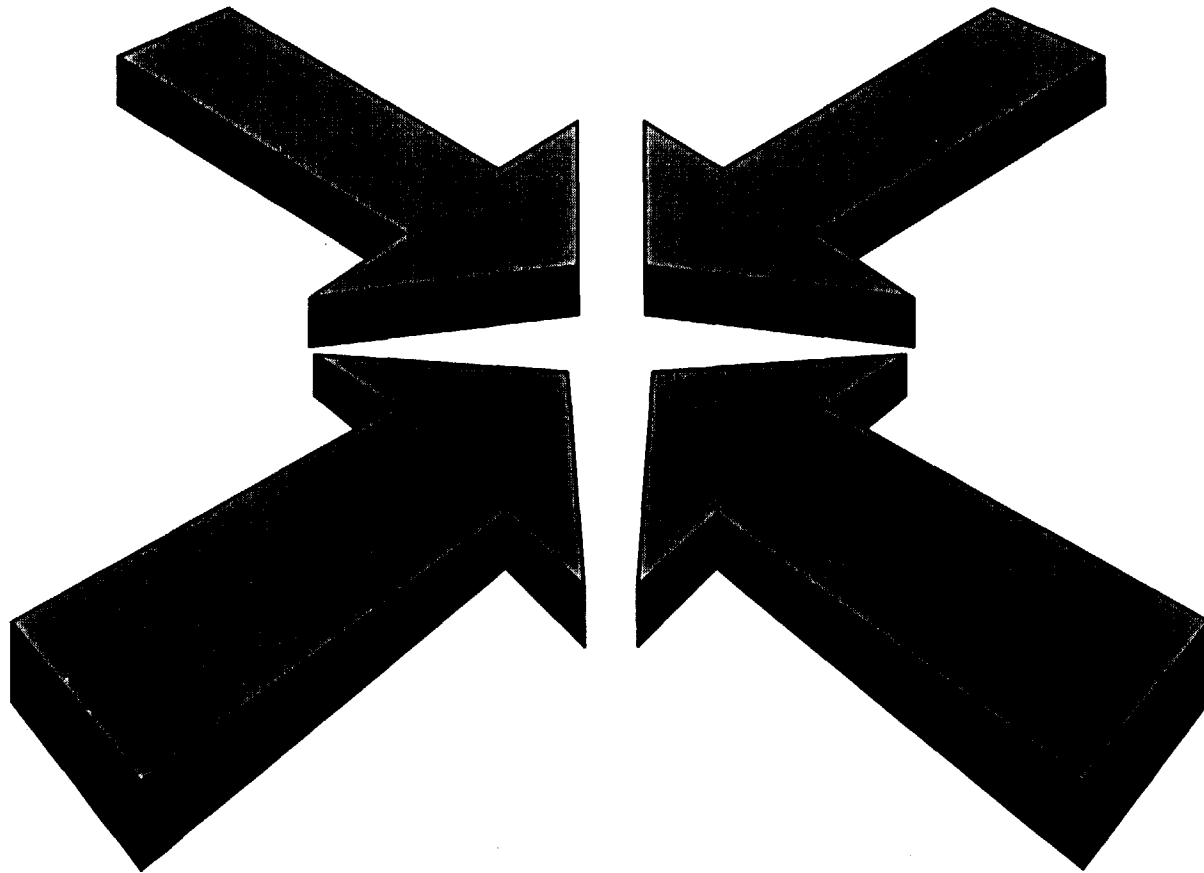
Beyond The Horizon

- Wireless High-speed Data Transport



Convergence of Common International Objectives

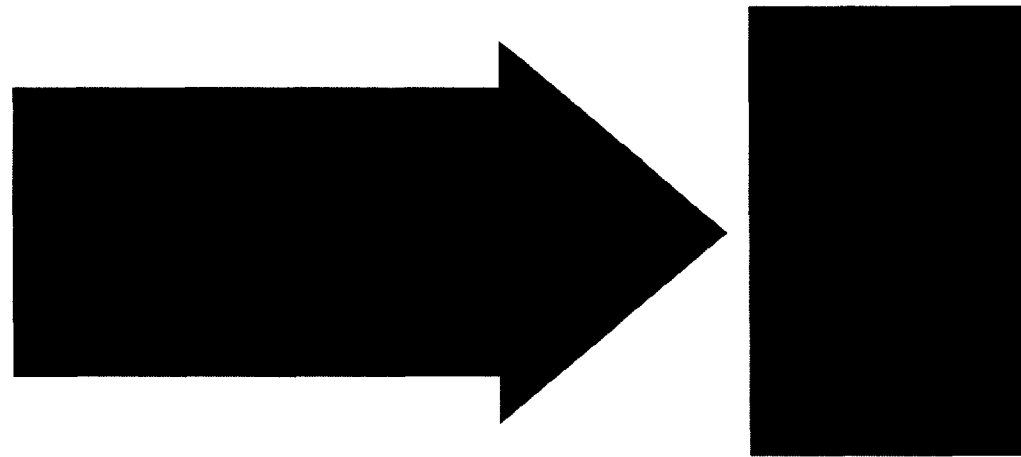
Public Safety Users-----Commercial Users



ETSI/TETRA/DAWS-----APCO PROJECT 34

Common Goals - ETSI/DAWS

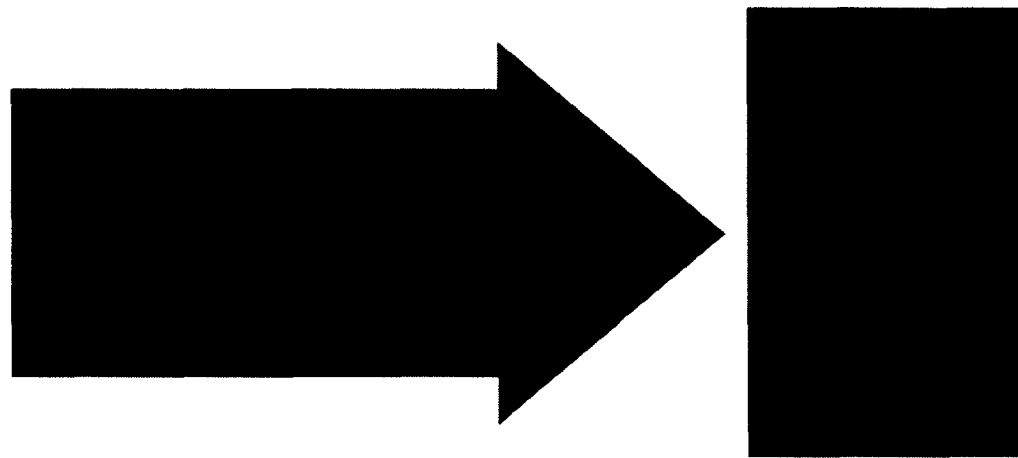
Project 25/34



- Wireless
- Reliability
- High-speed
- Multiple Applications

Common Goals - ETSI/DAWS

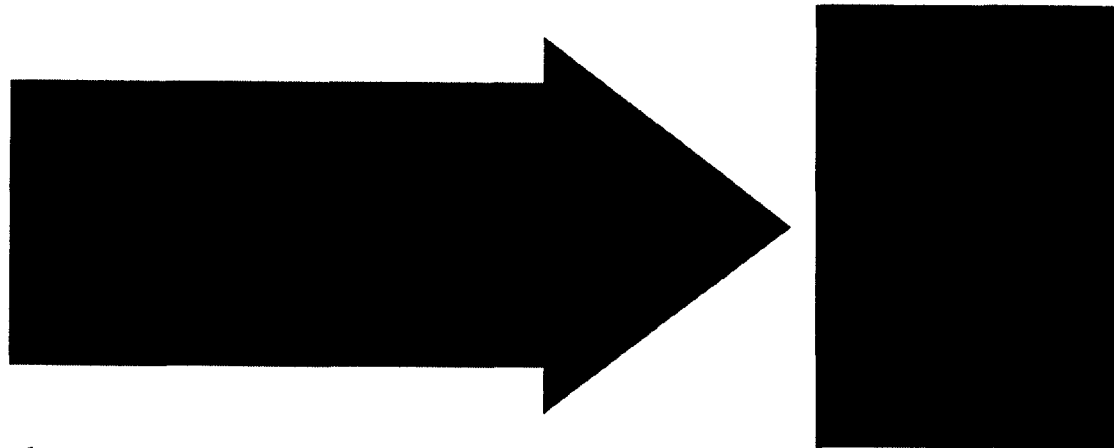
Project 34



- Dynamic Bandwidth
- Priority Spectrum Allocations
- Encrypted
- Standardized Interfaces

Common Goals - ETST/DAWS

Project 34



- Standardized Technology
- Can Be Scaled to Meet Users' Needs
- Economical
- Use Common Frequency Band
-

Project 25 - A Continuing Evolution of World Class Standard



QUESTIONS ?



APCO Project 25/34 Standards Series

Federal Communications
Commission

Washington, DC

January 14 & 15, 1999

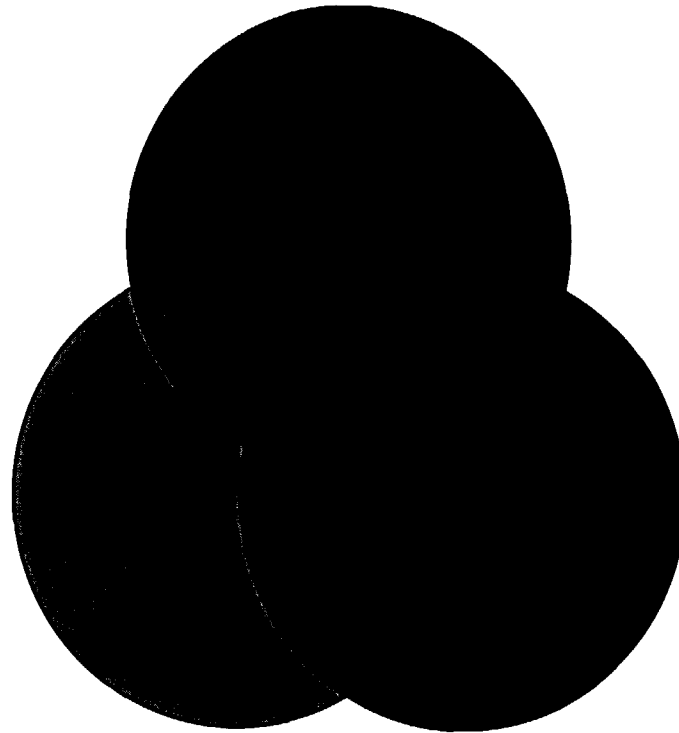
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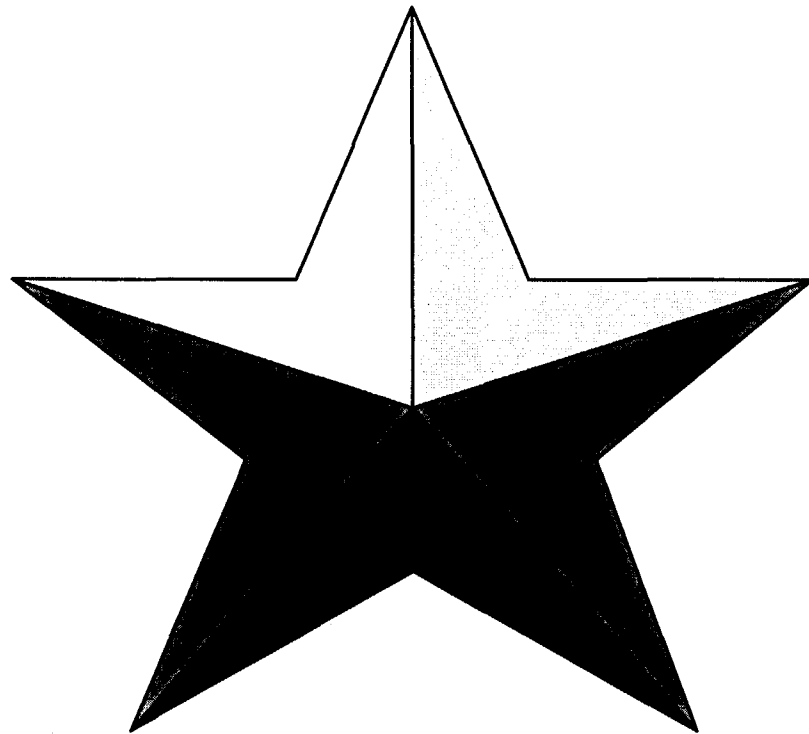
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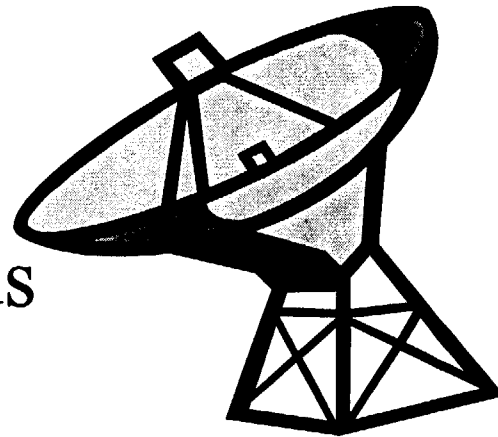
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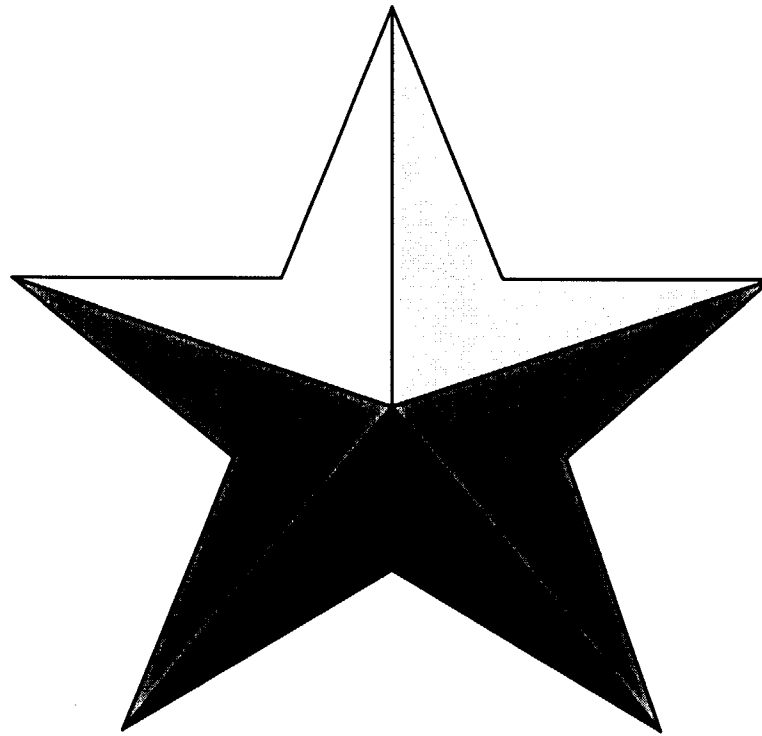


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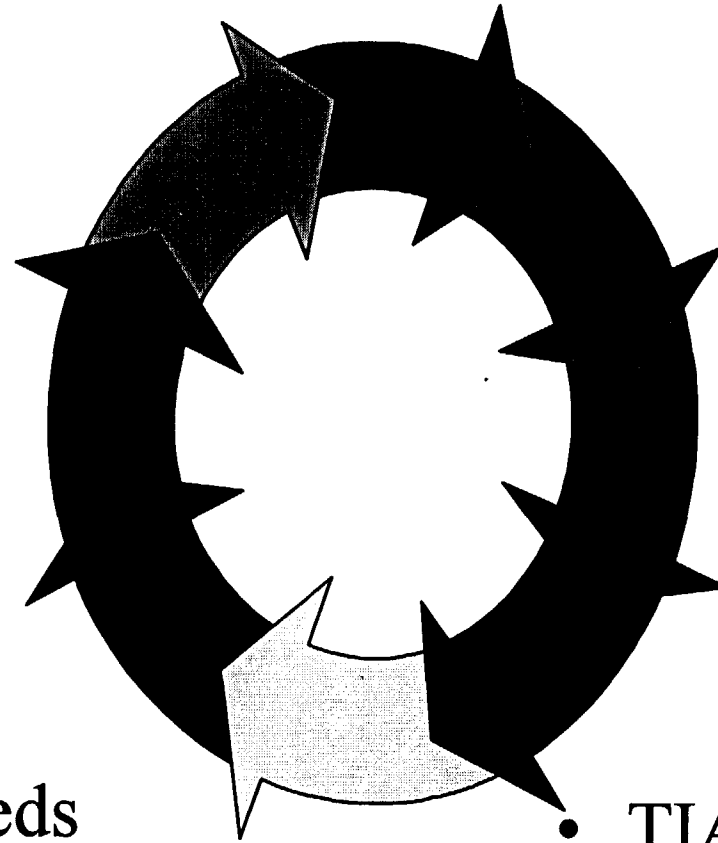


Public Safety
Users

Manufacturers

TIA Members

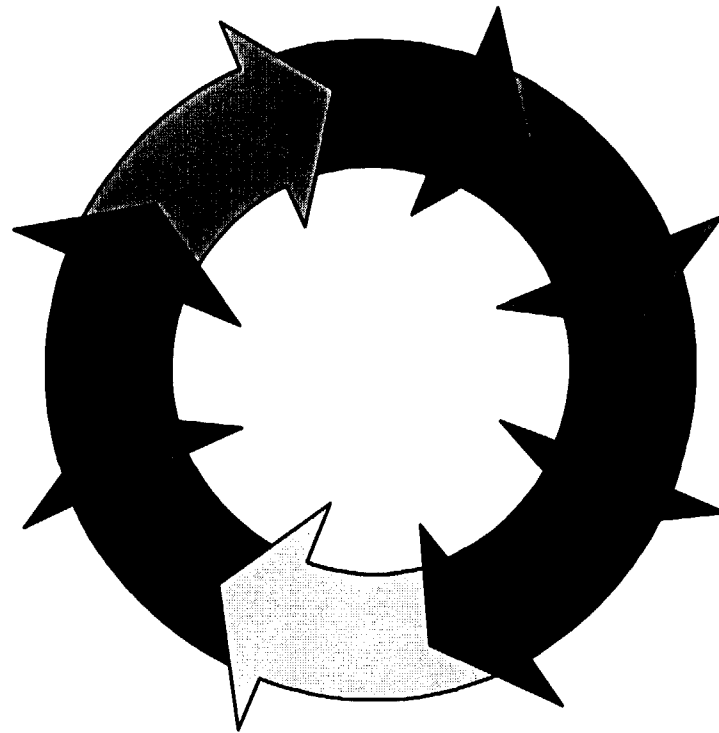
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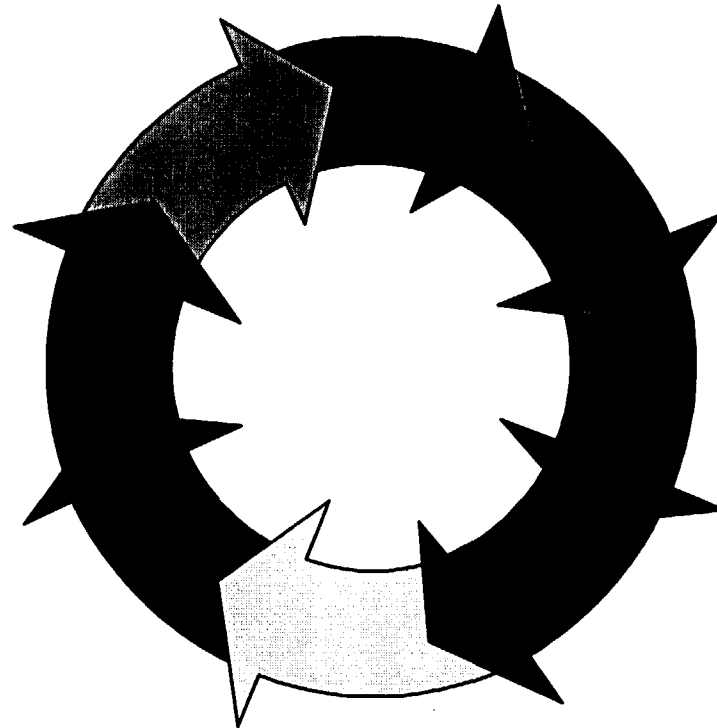
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The Steering
Committee Represents
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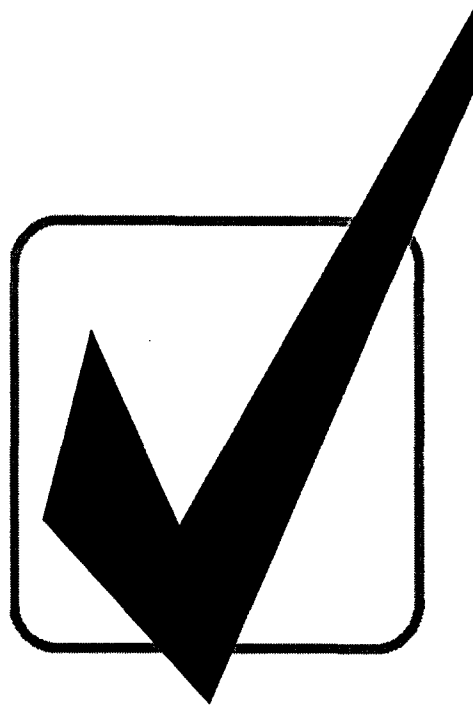
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Evolution of a Project 25 VoCoder and CAI Standards

Users

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P25
Standard

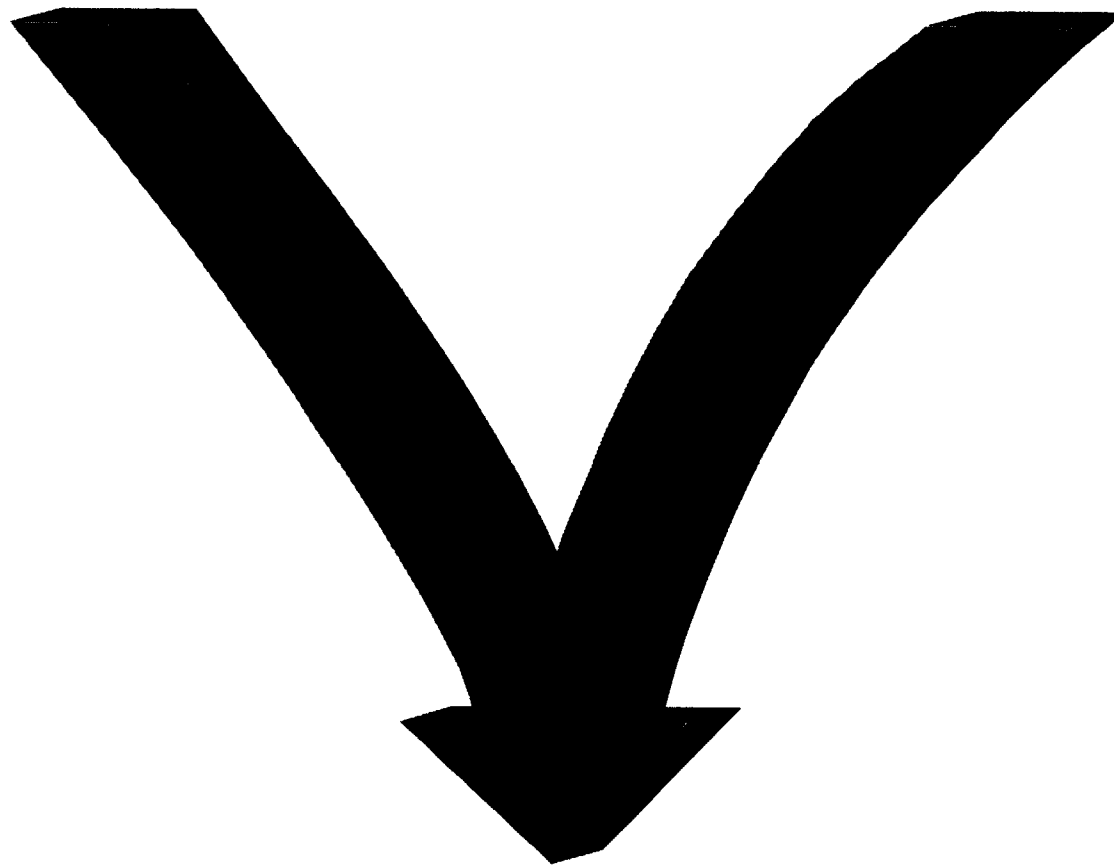
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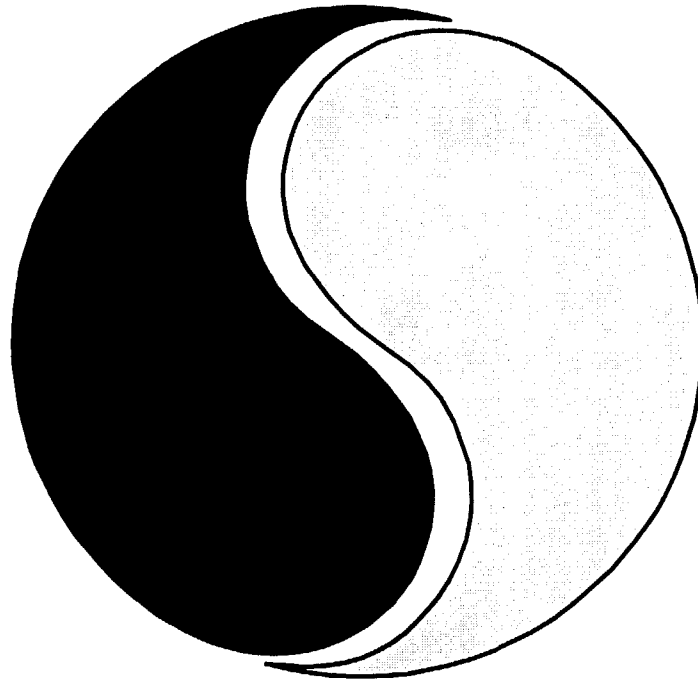
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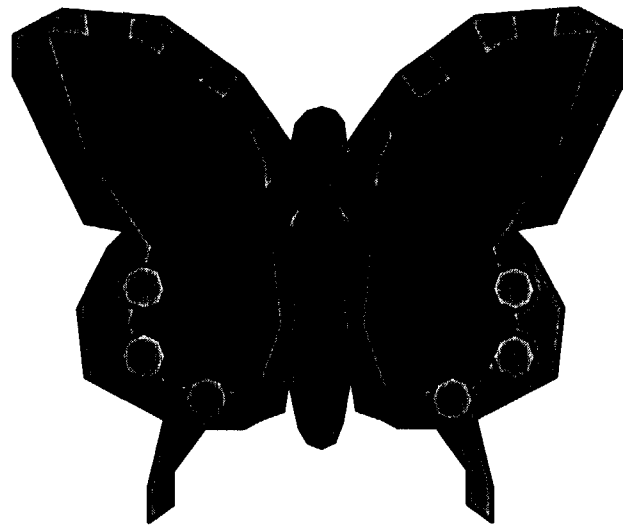
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Phase I - The Graceful Migration



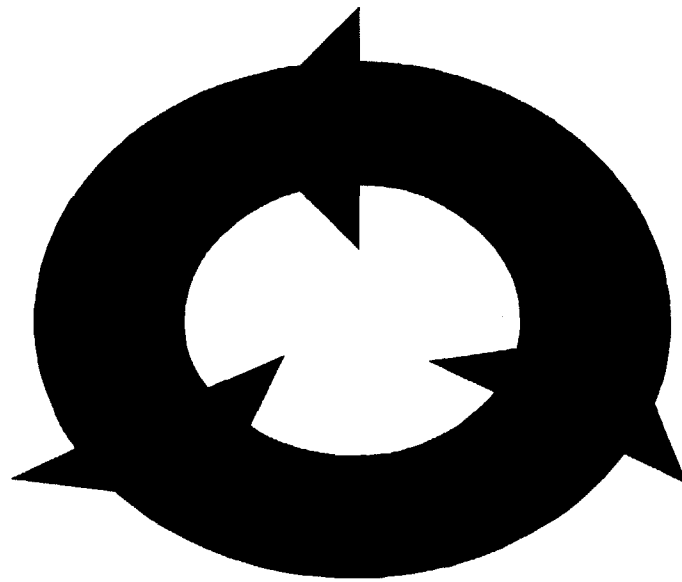
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THE COMMON AIR INTERFACE - THE CORE STANDARD

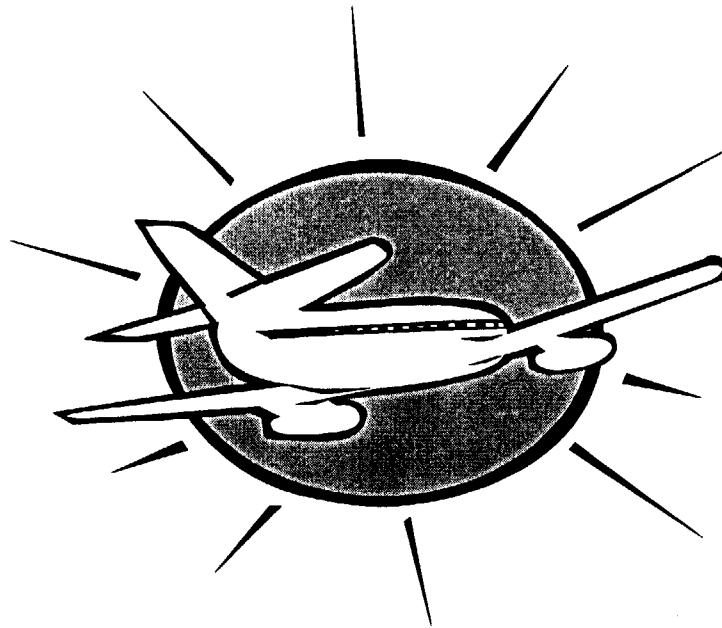


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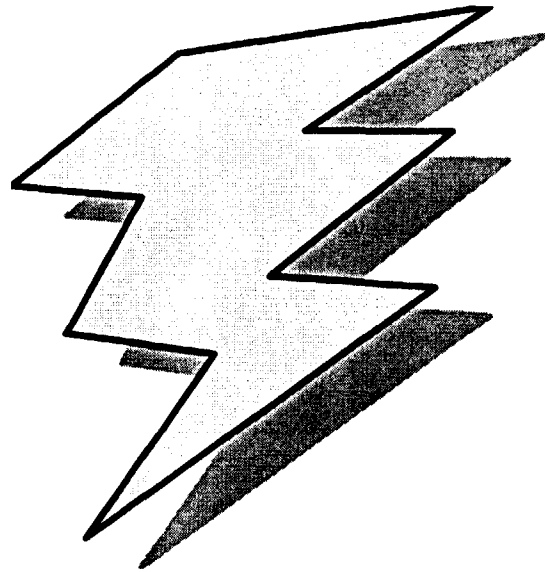
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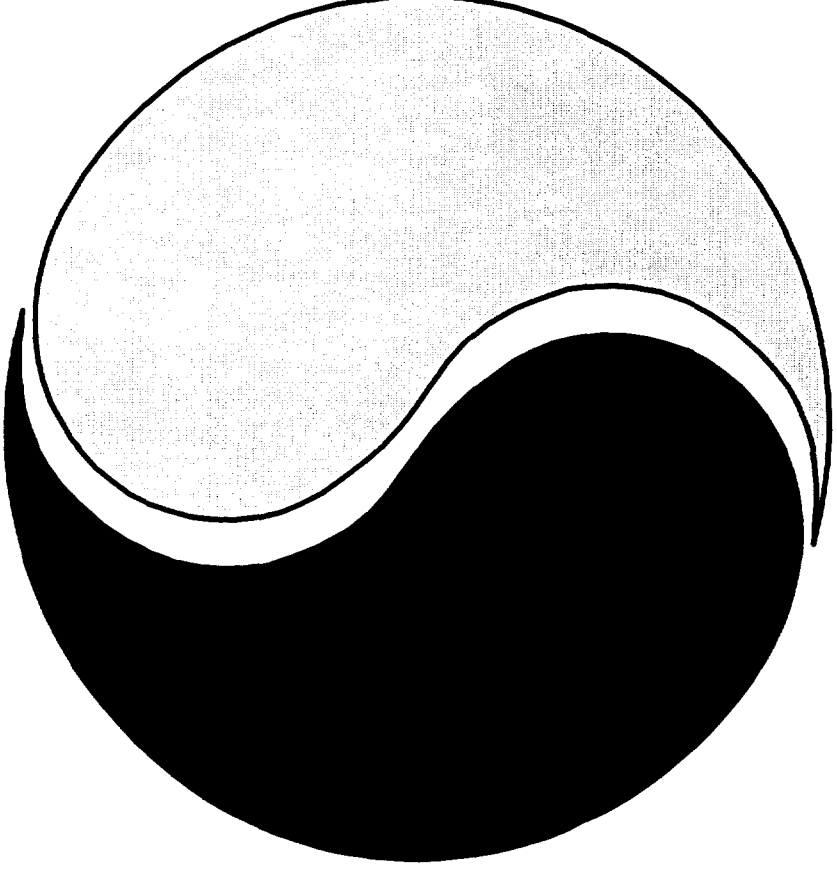
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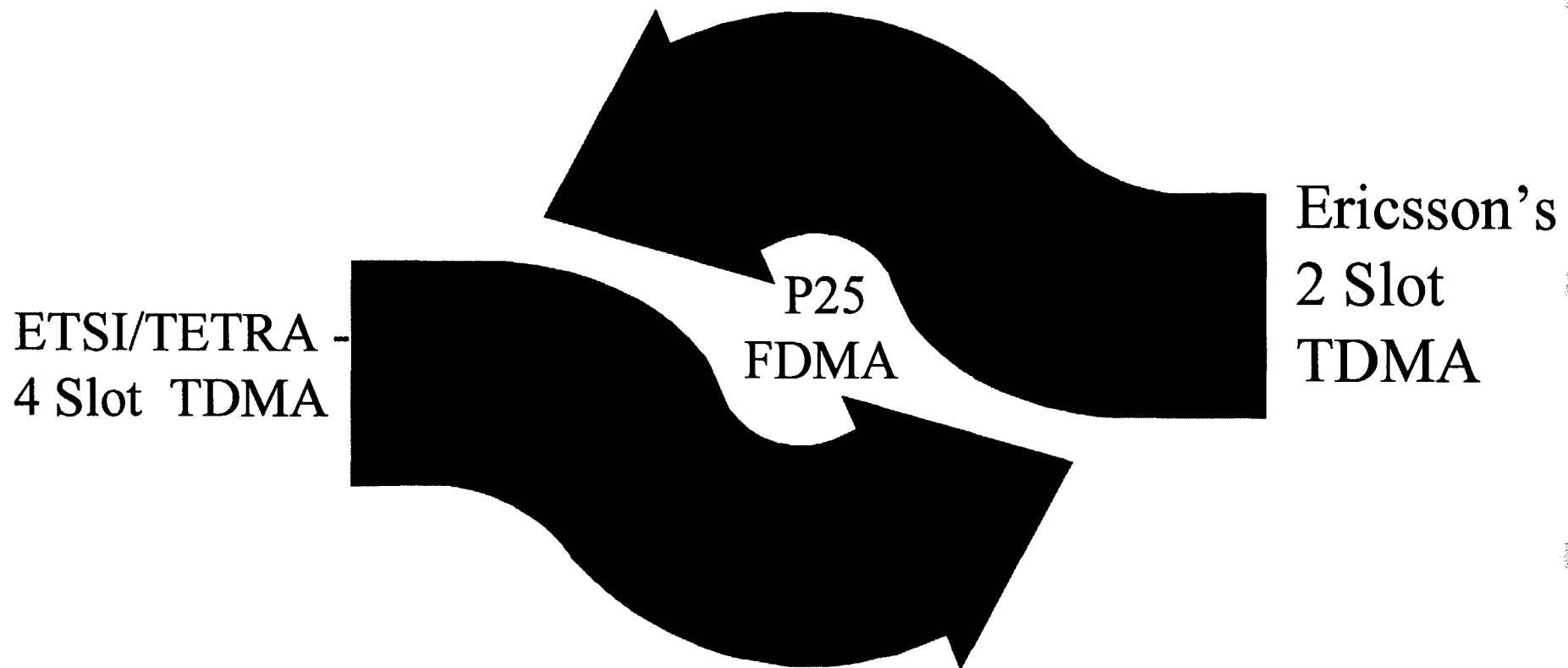
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Project 25 - Phase II

The Continuing Evolution



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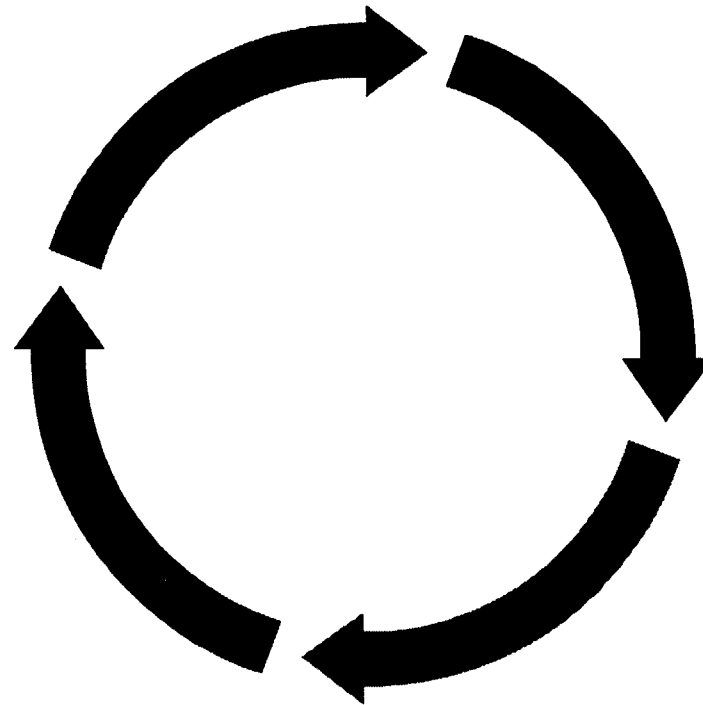
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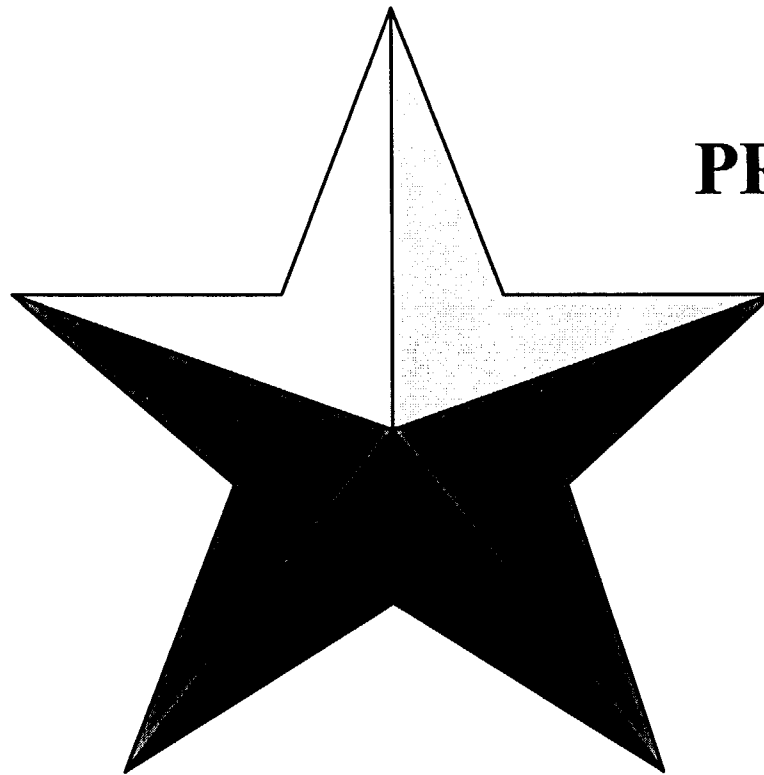
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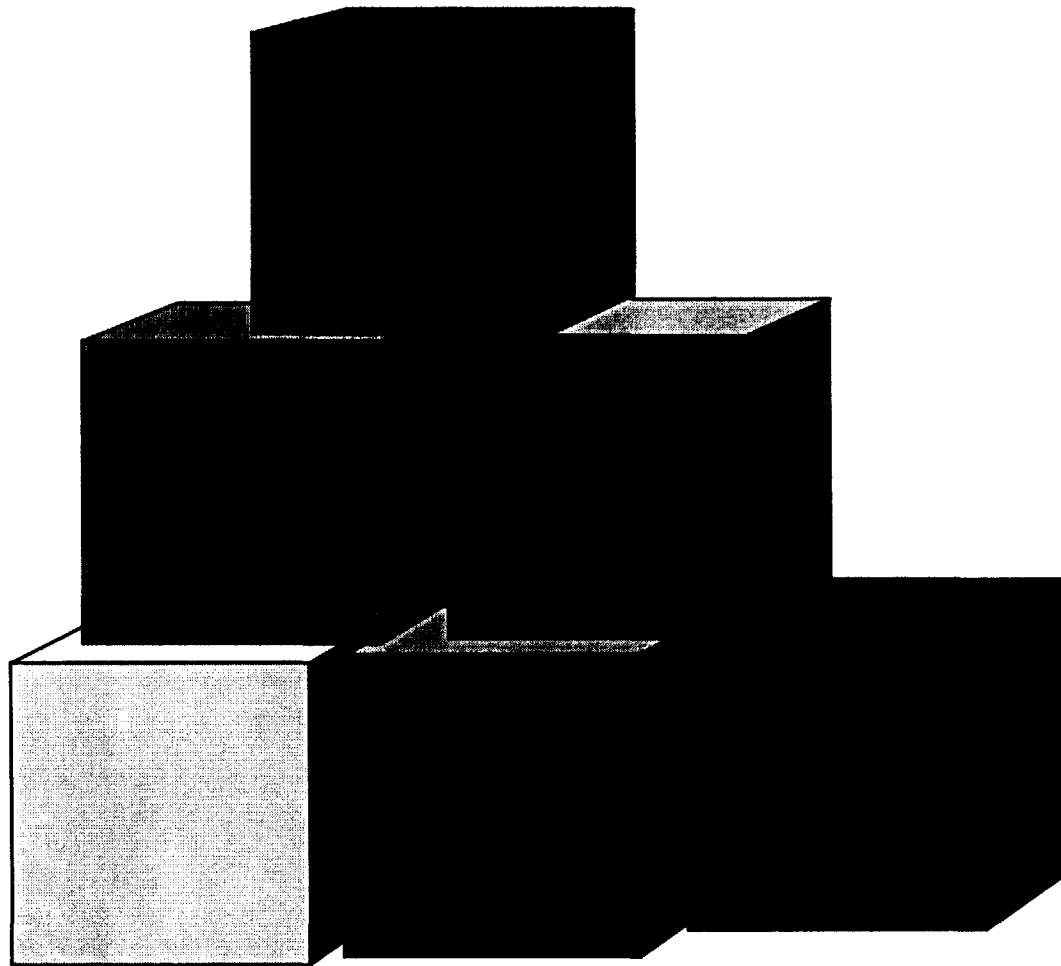
PROJECT 25/34



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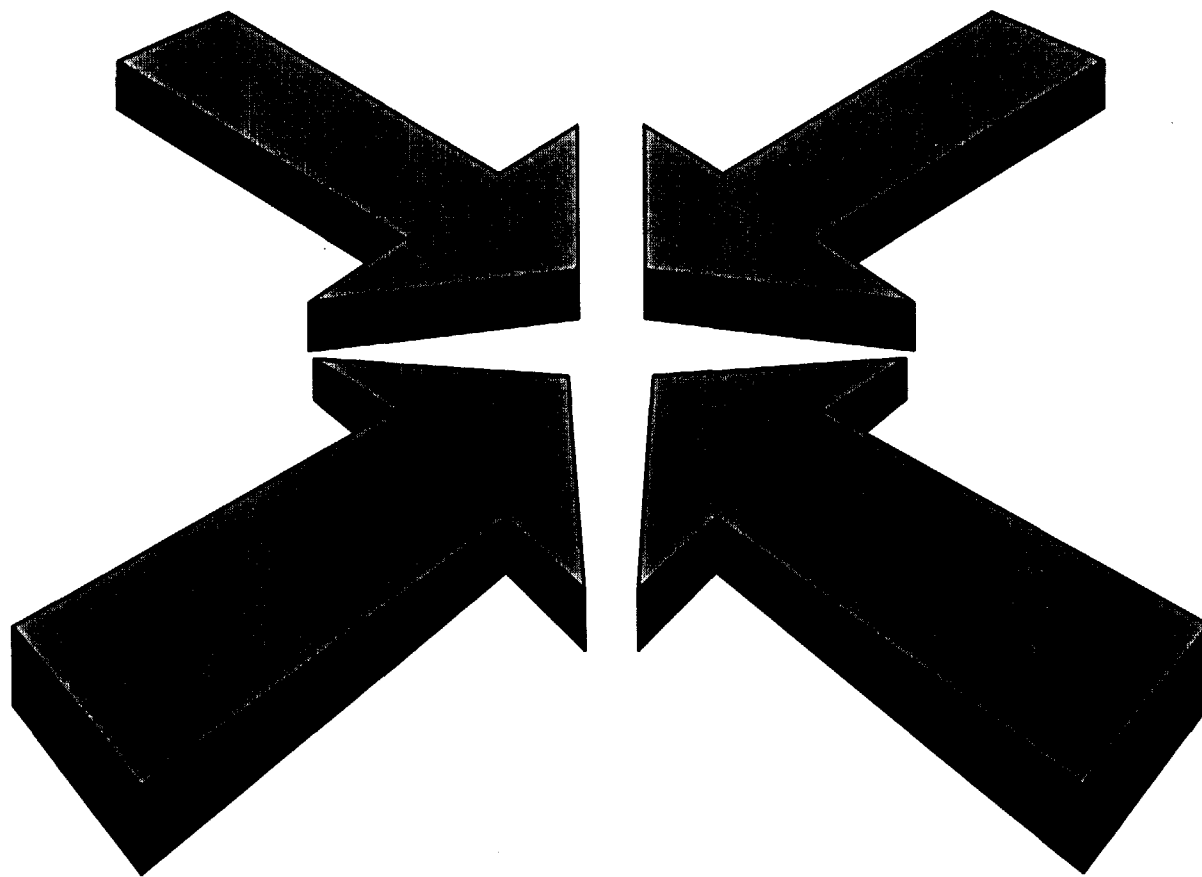
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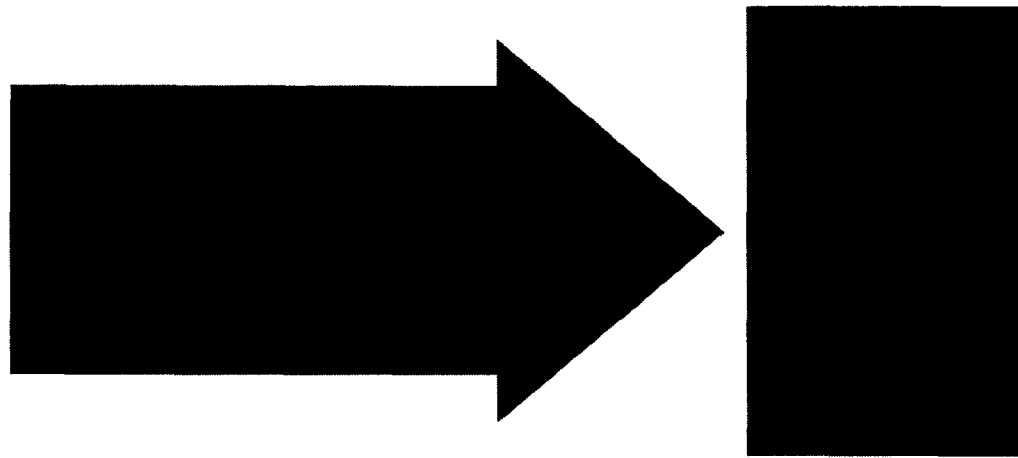
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ETSI/TETRA/DAWS-----APCO PROJECT 34

Common Goals - ETSI/DAWS

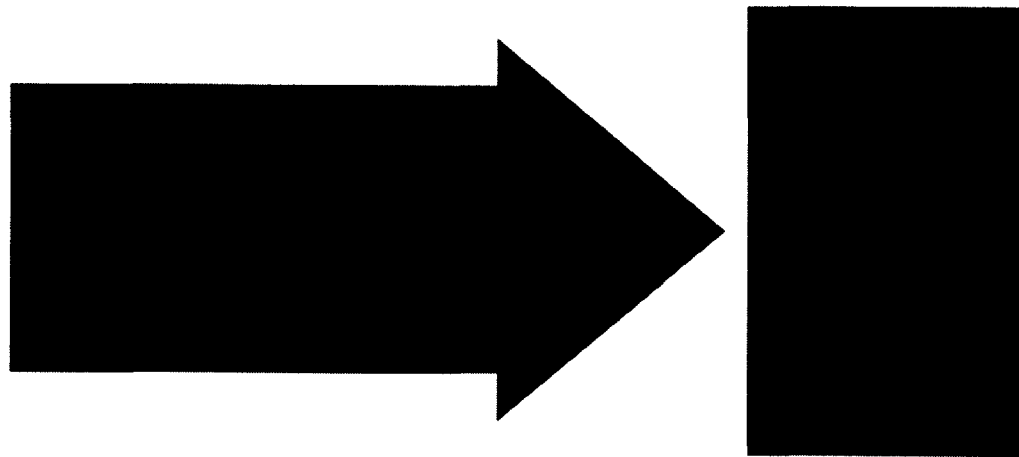
Project 25/34



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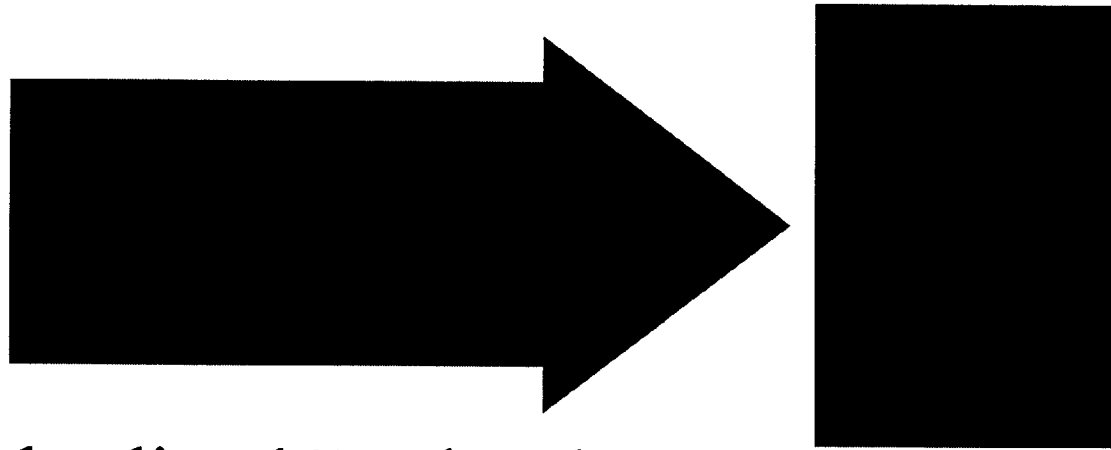
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Project 34



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Project 25 - A Continuing Evolution of World Class Standard



QUESTIONS ?